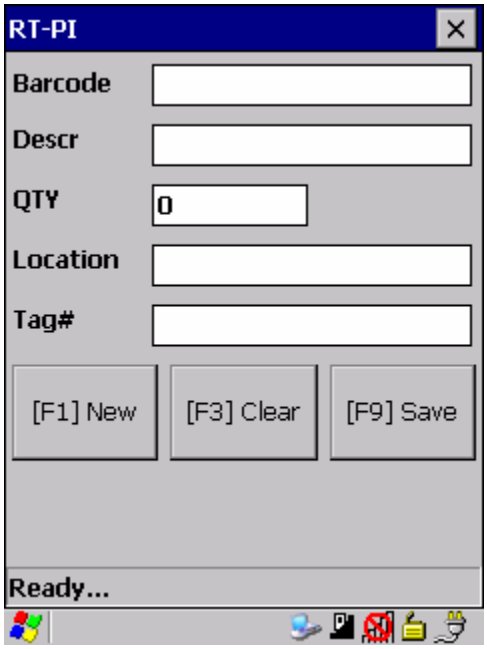


RT-PI – USER MANUAL

RT-PI User Manual

Overview

RealTime Technology Group's RT-PI allows for performing Physical Inventory counts with or without data validation.

Getting Started

To get started, unpack all of the equipment and make sure that nothing is missing or damaged.

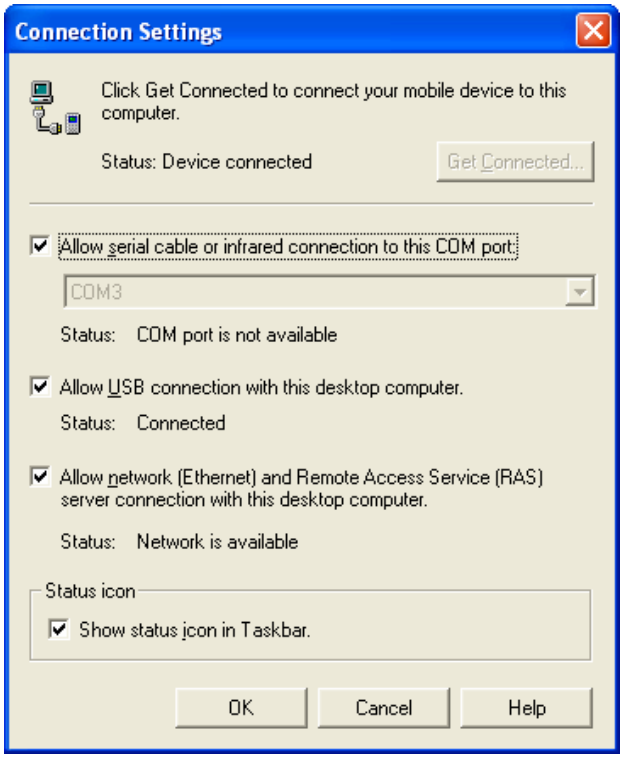
The cradle is to be used for both communication (when operating in batch mode or loading applications onto the handheld), or charging (recharging the battery).

Connect the USB or serial cable to your computer's serial port and to the corresponding port on the Cradle. Connect the power supply to a suitable AC power source and to the other port on the cradle.

Installing the RT-PI

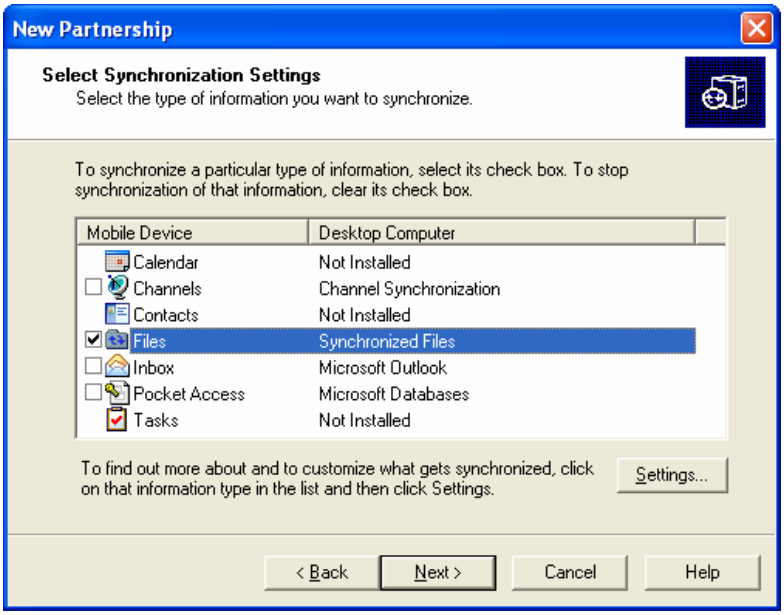
1. If not already on your PC, install Microsoft ActiveSync by double-clicking the Setup.exe file. Follow instructions.

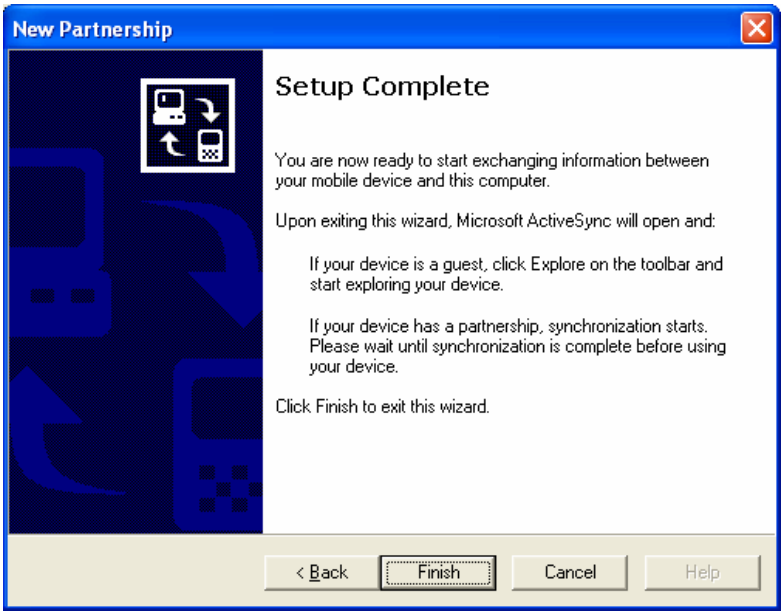
2. Connect your Windows Mobile Device to your PC using the USB cable. Right-click the ActiveSync icon located in the Icon Tray in the bottom right corner of your screen. From the pop-up menu select Connection Settings. Make sure the "Allow USB..." checkbox is checked.


Connection Settings
Click Get Connected to connect your mobile device to this computer.
Status: Device connected
Get Connected...
Allow serial cable or infrared connection to this COM port:
COM3
Status: COM port is not available
Allow USB connection with this desktop computer.
Status: Connected
Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer.
Status: Network is available
Status icon
Show status icon in Taskbar.
OK
Cancel
Help

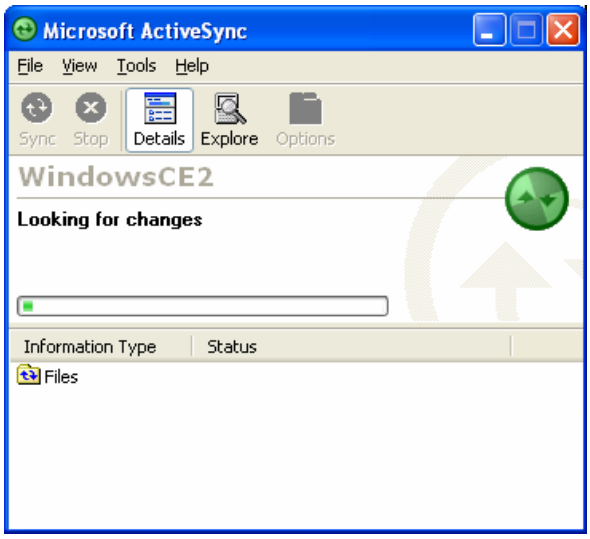
2. The ActiveSync GetConnected will pop up. Create a new Partnership for your Windows Mobile Device. Follow screenshots below.

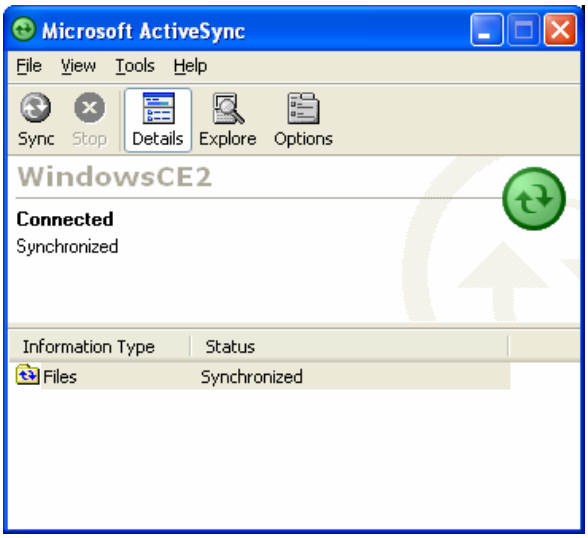
New Partnership
Select Number of Partnerships
Select whether you want to synchronize with just this computer.
Your device can have up to two partnerships or a partnership with only this computer. Do you want your device to have a partnership and synchronize with only this computer?
Yes, I want to synchronize with only this computer
Remove any existing partnerships on my device and set up a new partnership with just this computer.
No, I want to synchronize with two computers
Set up a partnership with this computer, but do not remove any existing partnerships on my device.
< Back
Next >
Cancel
Help



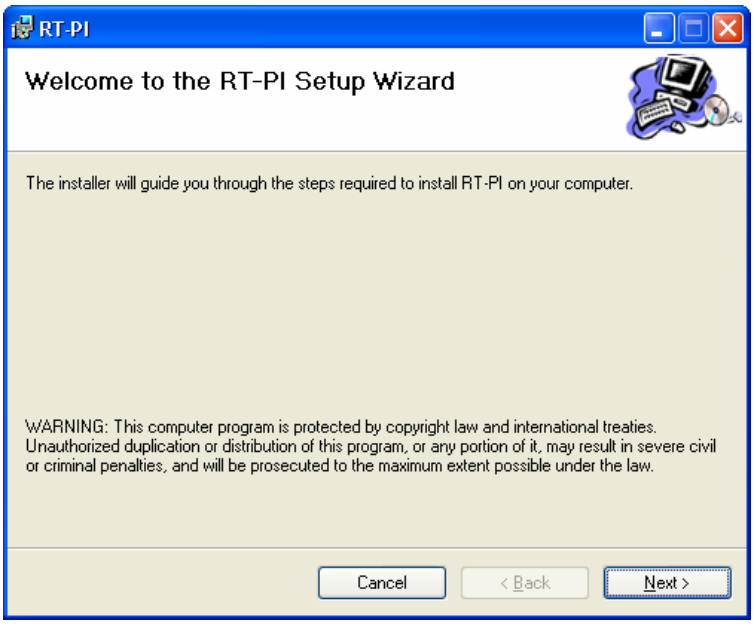

New Partnership
Setup Complete
You are now ready to start exchanging information between your mobile device and this computer.
Upon exiting this wizard, Microsoft ActiveSync will open and:
If your device is a guest, click Explore on the toolbar and start exploring your device.
If your device has a partnership, synchronization starts. Please wait until synchronization is complete before using your device.
Click Finish to exit this wizard.
< Back
Finish
Cancel
Help

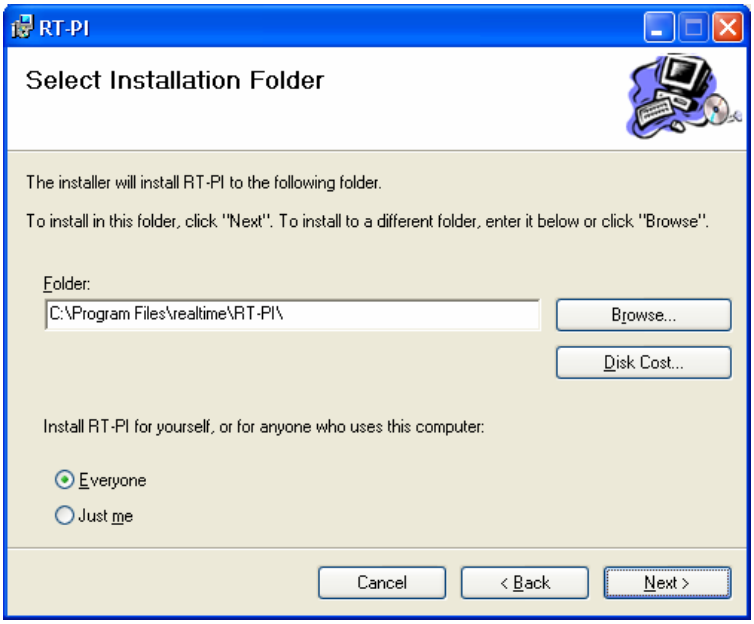
3. Synchronize your handheld for the first time.

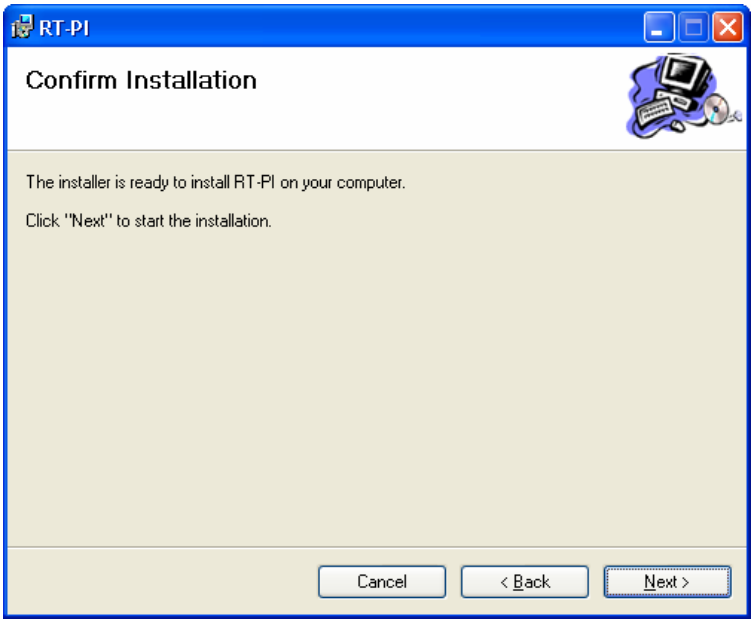


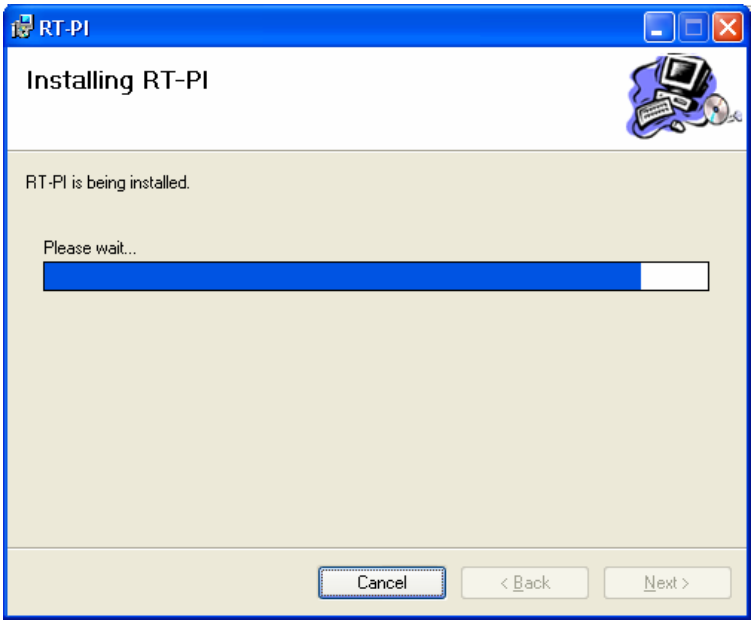


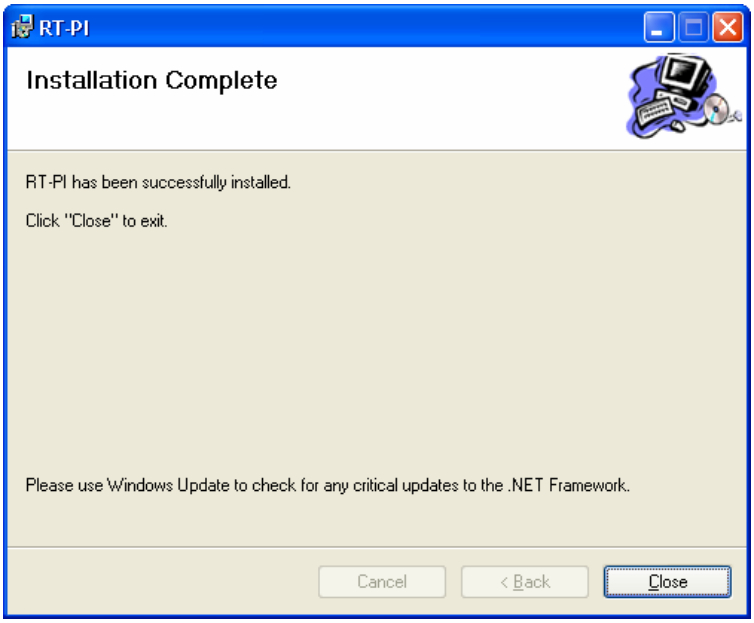
4. Double-click the setup.exe icon. This will run the RT-PI wizard. Follow the screenshots below.


RT-PI
Welcome to the RT-PI Setup Wizard
The installer will guide you through the steps required to install RT-PI on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

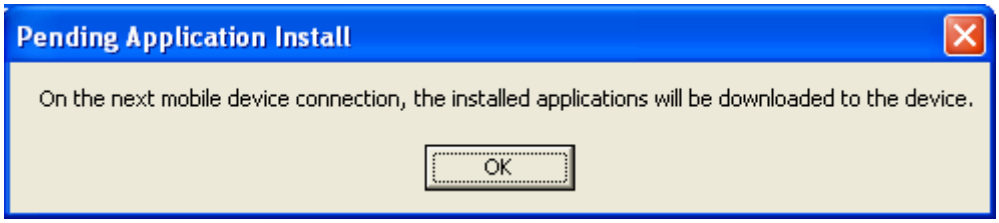

RT-PI
Select Installation Folder
The installer will install RT-PI to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\realtime\RT-PI\
Browse...
Disk Cost...
Install RT-PI for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >

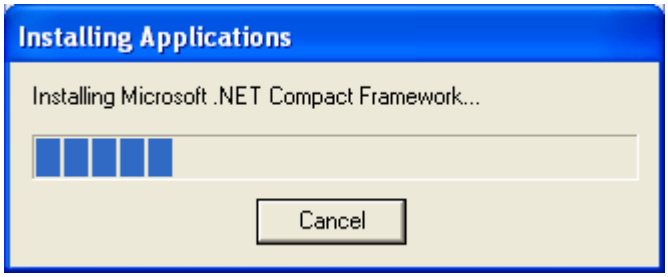

RT-PI
Confirm Installation
The installer is ready to install RT-PI on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >

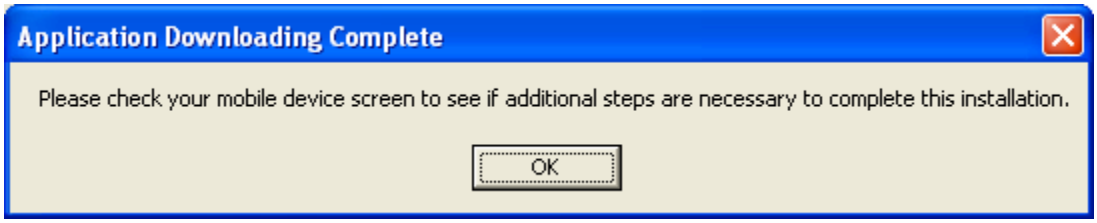




5. Install RT-PI software on your Windows Mobile/Windows CE Device. From the start menu select RT-PI>Install on Windows Mobile Device or Windows CE. Make sure you pick the right operating system for your handheld. Follow screenshots bellow. Answers yes to all prompts.


Pending Application Install
On the next mobile device connection, the installed applications will be downloaded to the device.
OK




Application Downloading Complete
Please check your mobile device screen to see if additional steps are necessary to complete this installation.
OK

On the Windows Mobile Device if it states any of these programs are already installed you do not have to install them again.

License Registration

RT-PI will run in demo mode until the first time a registration key must be entered. Call 888 640-8975 or email info@realtimetechgroup.com with the Unit Serial # shown on the registration screen to get the registration number.

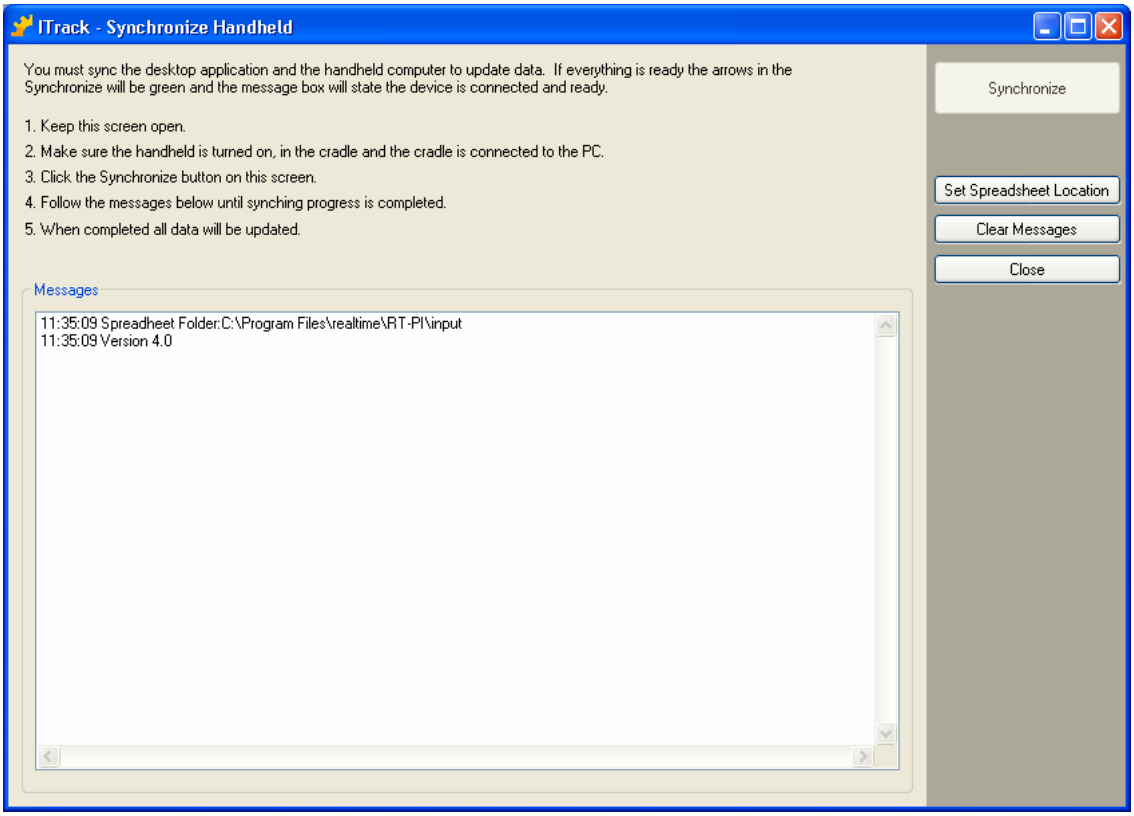
Once registered, the full version of RT-PI will open without this screen moving forward.

Creating Files for Validation

RT-PI allows you to load an inventory excel file onto the handheld computer in order to validate your physical inventory. You can manually create these files or export them from an accounting or other software package.

Open the RT-PI desktop application by going to Start>Programs>RT-PI>RT-PI

This will open the RT-PI desktop application.


ITrack - Synchronize Handheld
You must sync the desktop application and the handheld computer to update data. If everything is ready the arrows in the Synchronize will be green and the message box will state the device is connected and ready.
1. Keep this screen open.
2. Make sure the handheld is turned on, in the cradle and the cradle is connected to the PC.
3. Click the Synchronize button on this screen.
4. Follow the messages below until synching progress is completed.
5. When completed all data will be updated.
Messages
11:35:09 Spreadheet Folder:C:\Program Files\realtime\RT-PI\input
11:35:09 Version 4.0
Synchronize
Set Spreadsheet Location
Clear Messages
Close

By default the inventory.xls file is located in the folder specified in the Messages but you can change the location by clicking Set Spreadsheet Location and changing the location.

In the specified input folder there is a file called inventory.xls. It is a file of a snapshot of your current inventory. This information will appear on the handheld after you scan or enter the Barcode number. You can include as many of the 5 fields as you want to appear on the handheld. If you do not include a quantity the default is 0.

When you create your import file;

The file name must be inventory.xls.

The first field must be Item (Barcode) number

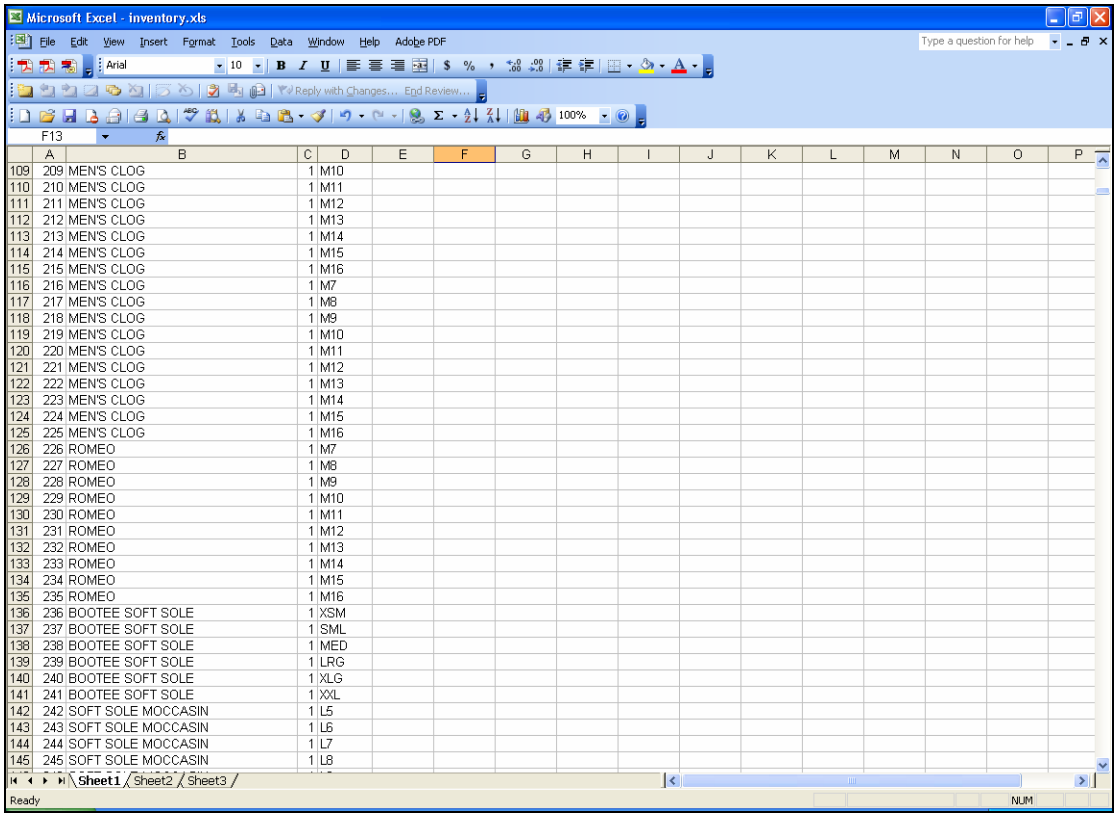
The second field must be description

The third field must be Quantity

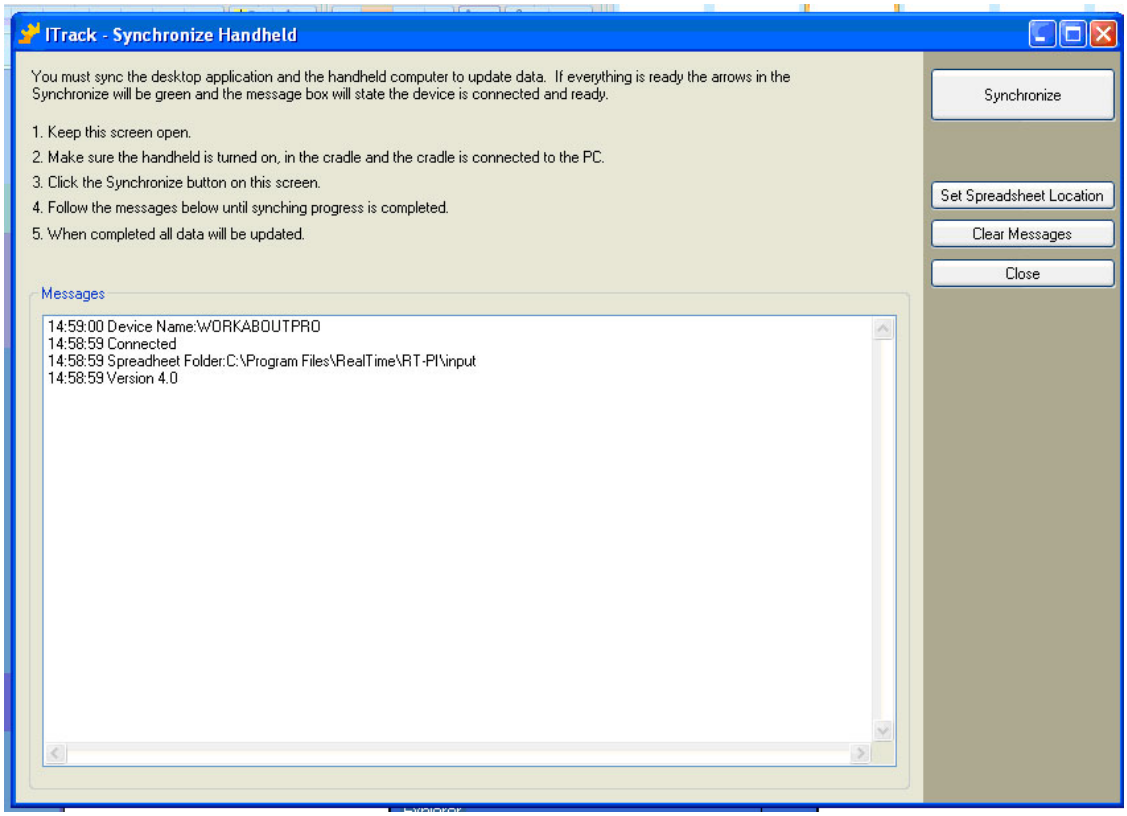
The fourth field is User Defined (default is Location)

The fifth field is User Defined (default is Tag#)

Once you have your inventory.xls file created save it in the Spreadsheet Location specified in RT-PI.



	A	B	C	D
109	209	MEN'S CLOG	1	M10
110	210	MEN'S CLOG	1	M11
111	211	MEN'S CLOG	1	M12
112	212	MEN'S CLOG	1	M13
113	213	MEN'S CLOG	1	M14
114	214	MEN'S CLOG	1	M15
115	215	MEN'S CLOG	1	M16
116	216	MEN'S CLOG	1	M7
117	217	MEN'S CLOG	1	M8
118	218	MEN'S CLOG	1	M9
119	219	MEN'S CLOG	1	M10
120	220	MEN'S CLOG	1	M11
121	221	MEN'S CLOG	1	M12
122	222	MEN'S CLOG	1	M13
123	223	MEN'S CLOG	1	M14
124	224	MEN'S CLOG	1	M15
125	225	MEN'S CLOG	1	M16
126	226	ROMEO	1	M7
127	227	ROMEO	1	M8
128	228	ROMEO	1	M9
129	229	ROMEO	1	M10
130	230	ROMEO	1	M11
131	231	ROMEO	1	M12
132	232	ROMEO	1	M13
133	233	ROMEO	1	M14
134	234	ROMEO	1	M15
135	235	ROMEO	1	M16
136	236	BOOTEE SOFT SOLE	1	XSM
137	237	BOOTEE SOFT SOLE	1	SML
138	238	BOOTEE SOFT SOLE	1	MED
139	239	BOOTEE SOFT SOLE	1	LRG
140	240	BOOTEE SOFT SOLE	1	XLG
141	241	BOOTEE SOFT SOLE	1	XXL
142	242	SOFT SOLE MOCCASIN	1	L5
143	243	SOFT SOLE MOCCASIN	1	L6
144	244	SOFT SOLE MOCCASIN	1	L7
145	245	SOFT SOLE MOCCASIN	1	L8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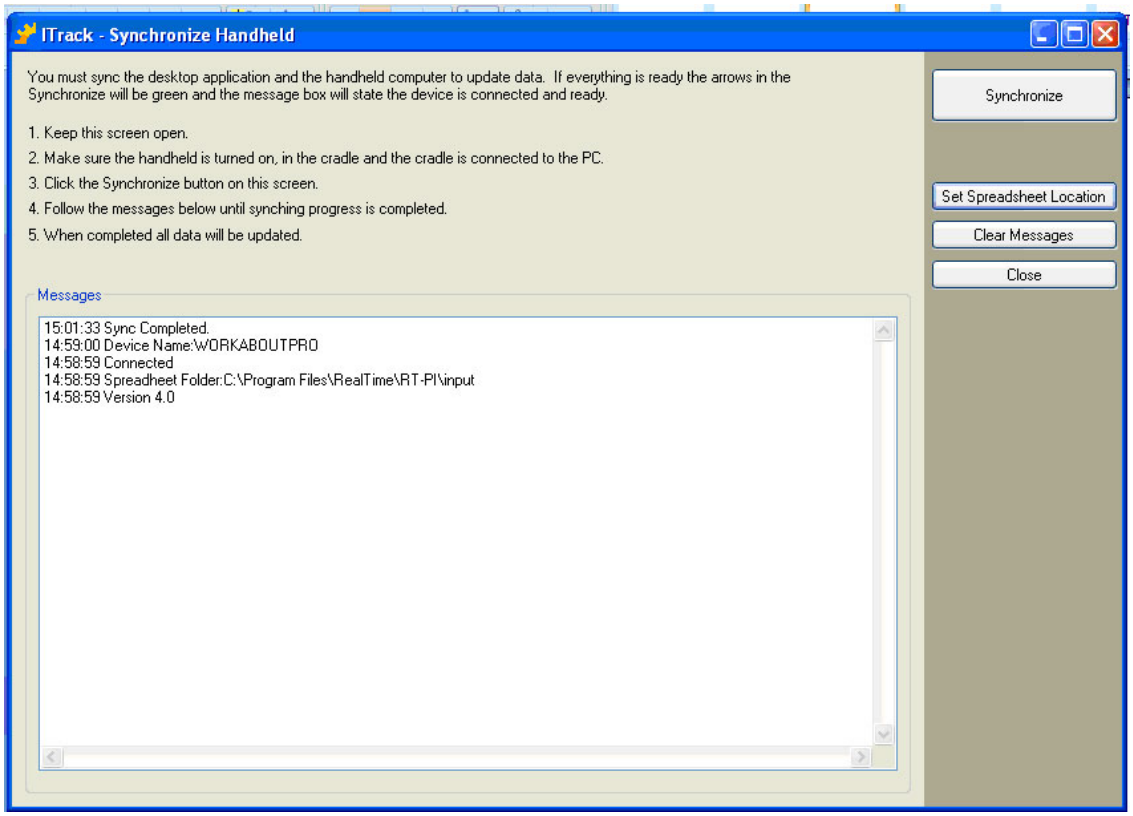
1. Keep this screen open.
2. Make sure the handheld is turned on, in the cradle and the cradle is connected to the PC.
3. Click the Synchronize button on this screen.
4. Follow the messages below until synching progress is completed.
5. When completed all data will be updated.
Messages
14:59:00 Device Name:WORKABOUTPRO
14:58:59 Connected
14:58:59 Spreadheet Folder:C:\Program Files\RealTime\RT-PI\input
14:58:59 Version 4.0
Synchronize
Set Spreadsheet Location
Clear Messages
Close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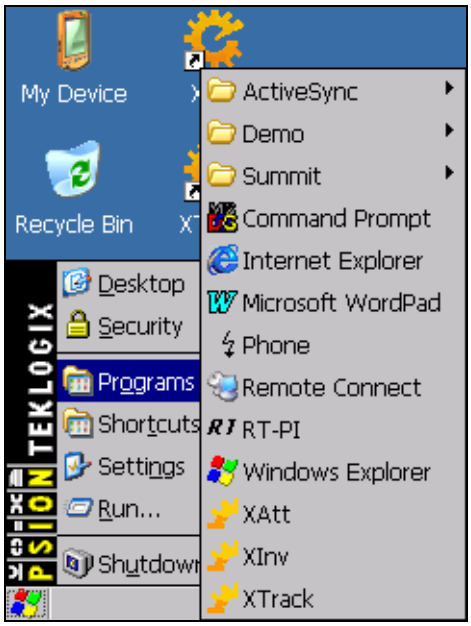
1. Keep this screen open.
2. Make sure the handheld is turned on, in the cradle and the cradle is connected to the PC.
3. Click the Synchronize button on this screen.
4. Follow the messages below until synching progress is completed.
5. When completed all data will be updated.
Messages
15:01:33 Sync Completed.
14:59:00 Device Name:WORKABOUTPRO
14:58:59 Connected
14:58:59 Spreadheet Folder:C:\Program Files\RealTime\RT-PI\input
14:58:59 Version 4.0
Synchronize
Set Spreadsheet Location
Clear Messages
Close

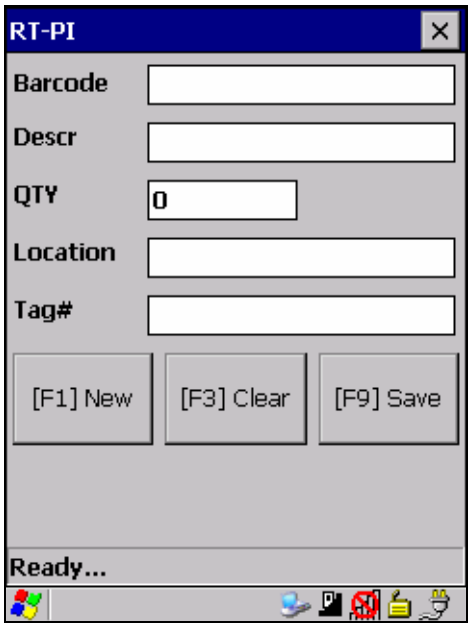
Using the Handheld Computer

To open the RT-PI application access the Start>Programs>RT-PI. The message at the top of the screen should state “Please wait, Loading Files”. The length of time it takes to load depends on the size of the files. For files of 100,000 records it will take approximately 60 seconds.

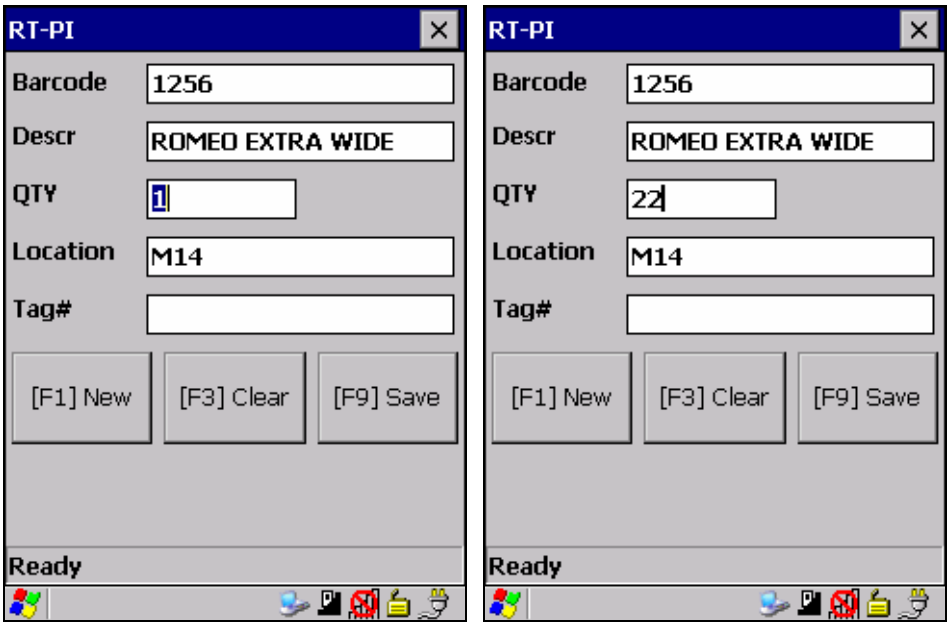


To start a new inventory count click New (F1). You will be prompted to make sure you have synced the previous inventory count.

When using this application with validation, when you scan or enter the Barcode whatever associated data you have in the inventory.xls file will be populate the fields. The default Quantity is 0.

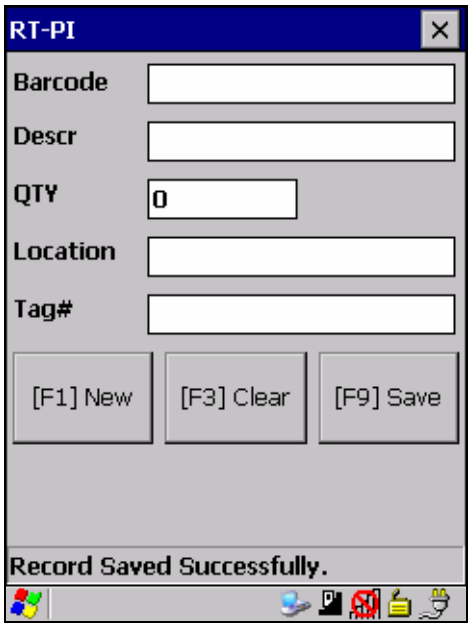


If the counted quantity is 0, click the Enter key on the keypad to scroll to Location. If the counted quantity is not 0, change the number to the correct quantity and click Enter.



Move up and down using the Enter key to make any changes to the record. Press Enter (F9) to save the record.

Look for the message at the bottom of the screen stating “Record Saved Successfully”.



Repeat until the Inventory Count is complete.

Options:

1. Use the Enter key on the keypad to scroll between fields. For example to select a new Barcode press Enter to highlight the Barcode field and then scan or manually enter the new barcode number.

2. Press the Clear or (F3) to clear the entire screen.

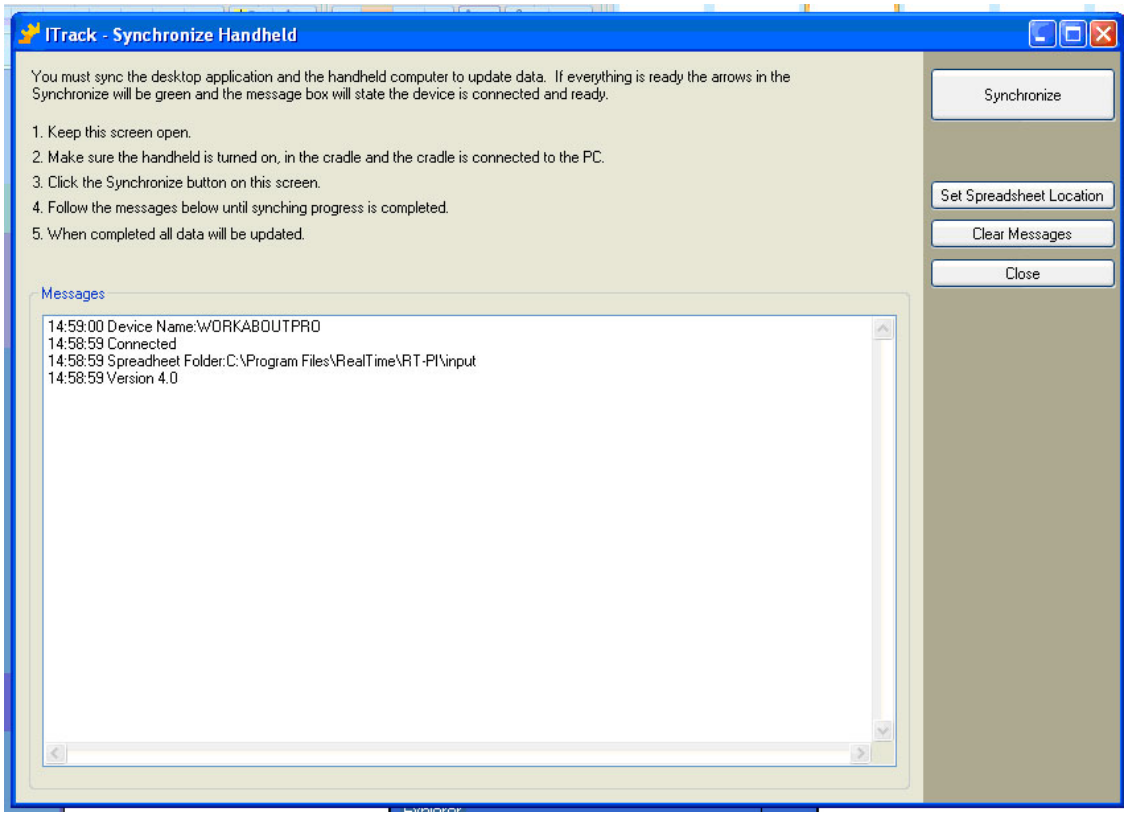
3. If you realize a mistake after saving the Record you can make any changes after synching the data to the PC.

When you have finished take the handheld computer back to the computer where Microsoft Active Sync is running.

Downloading Data

Place the scanner in the cradle.

Open the RT-PI desktop application and click synchronize.


ITrack - Synchronize Handheld
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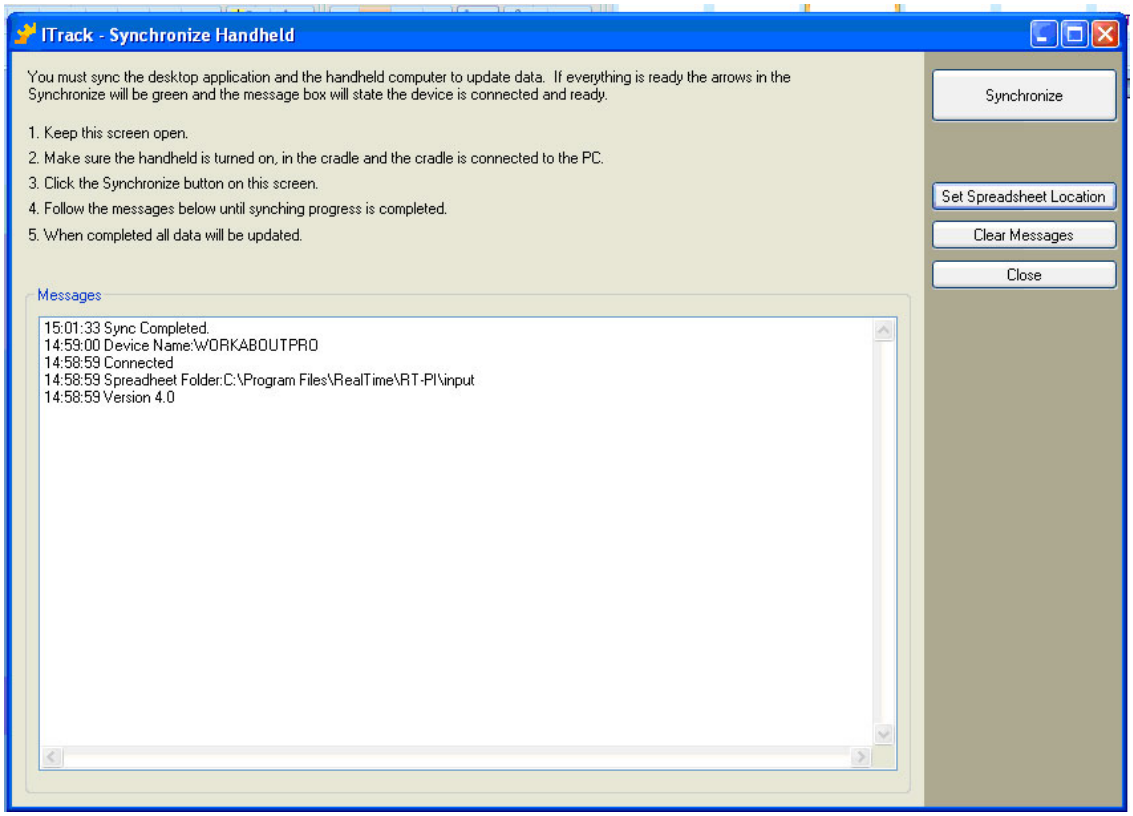
1. Keep this screen open.
2. Make sure the handheld is turned on, in the cradle and the cradle is connected to the PC.
3. Click the Synchronize button on this screen.
4. Follow the messages below until synching progress is completed.
5. When completed all data will be updated.
Synchronize
Set Spreadsheet Location
Clear Messages
Close
Messages
14:59:00 Device Name:WORKABOUTPRO
14:58:59 Connected
14:58:59 Spreadheet Folder:C:\Program Files\RealTime\RT-PI\input
14:58:59 Version 4.0

Watch the messages screen to see when the synchronization finishes.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Messages
15:01:33 Sync Completed.
14:59:00 Device Name:WORKABOUTPRO
14:58:59 Connected
14:58:59 Spreadheet Folder:C:\Program Files\RealTime\RT-PI\input
14:58:59 Version 4.0
Synchronize
Set Spreadsheet Location
Clear Messages
Close

Output Files

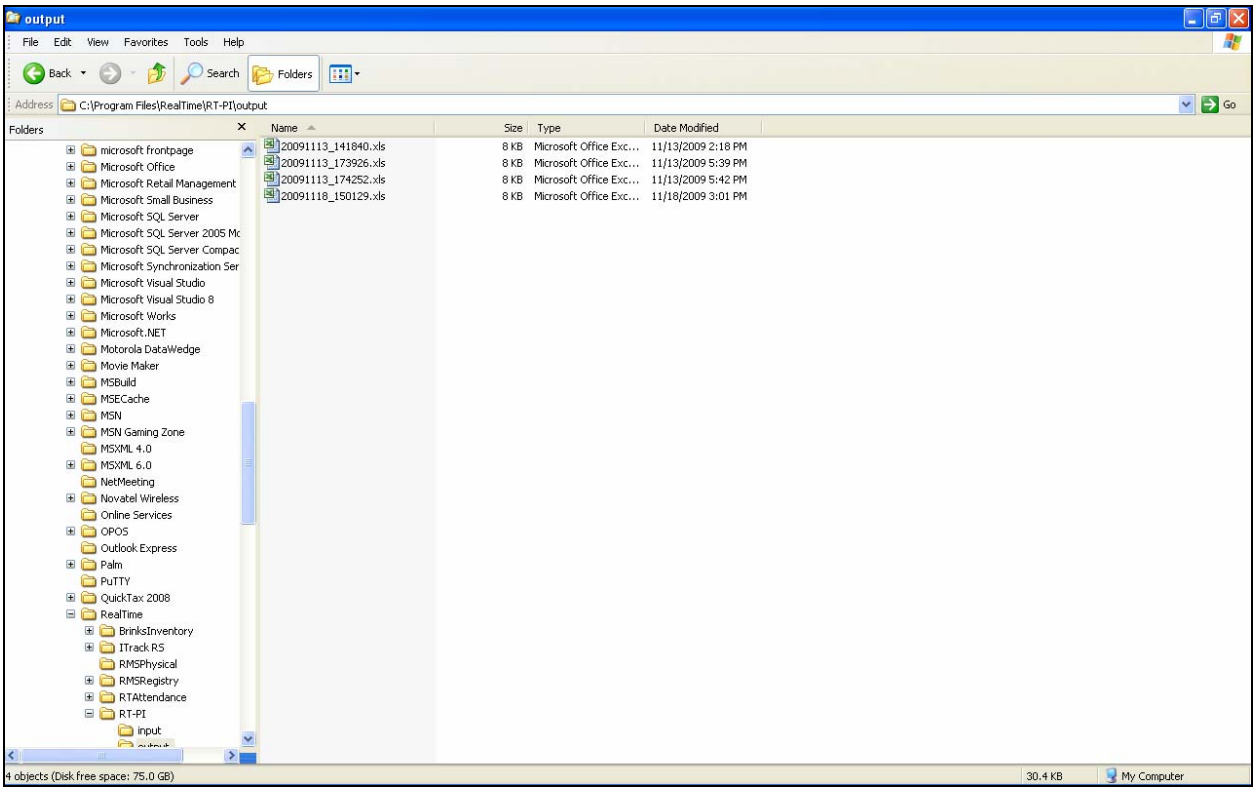
Go to C:\Program Files\RealTime\RT-PI\output (or default location if you changed it).

Output files are time stamped .xls files. You can open these in Excel and edit them as required.

Items that were scanned and saved will have a timestamp beside them. If there is no timestamp then the item was not scanned and saved.

The Inventory Count stays “open” until you click New (F1) on the handheld to start a new count. If you have missed some items you can go and continue the inventory and when you sync for a second time the new file will have the newly scanned items added to the spreadsheet with timestamps.

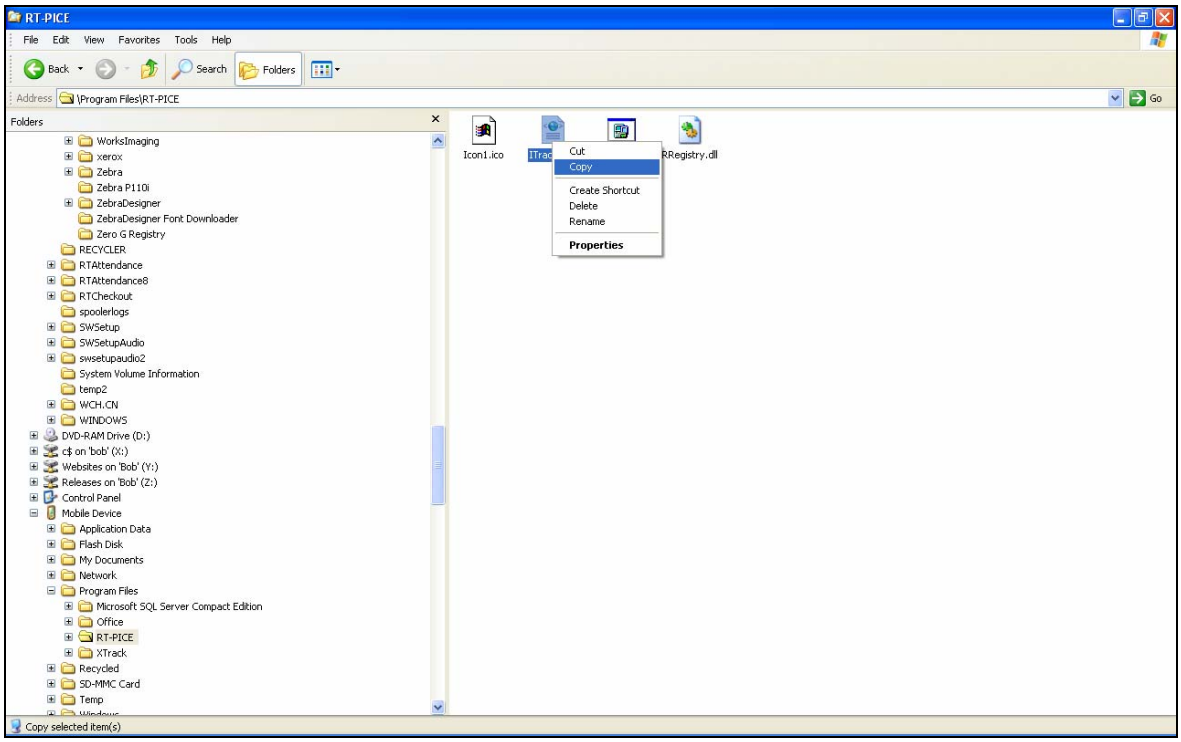
If you scan a Barcode number twice during your count, a second line item with the same Barcode number will be added to the spreadsheet.



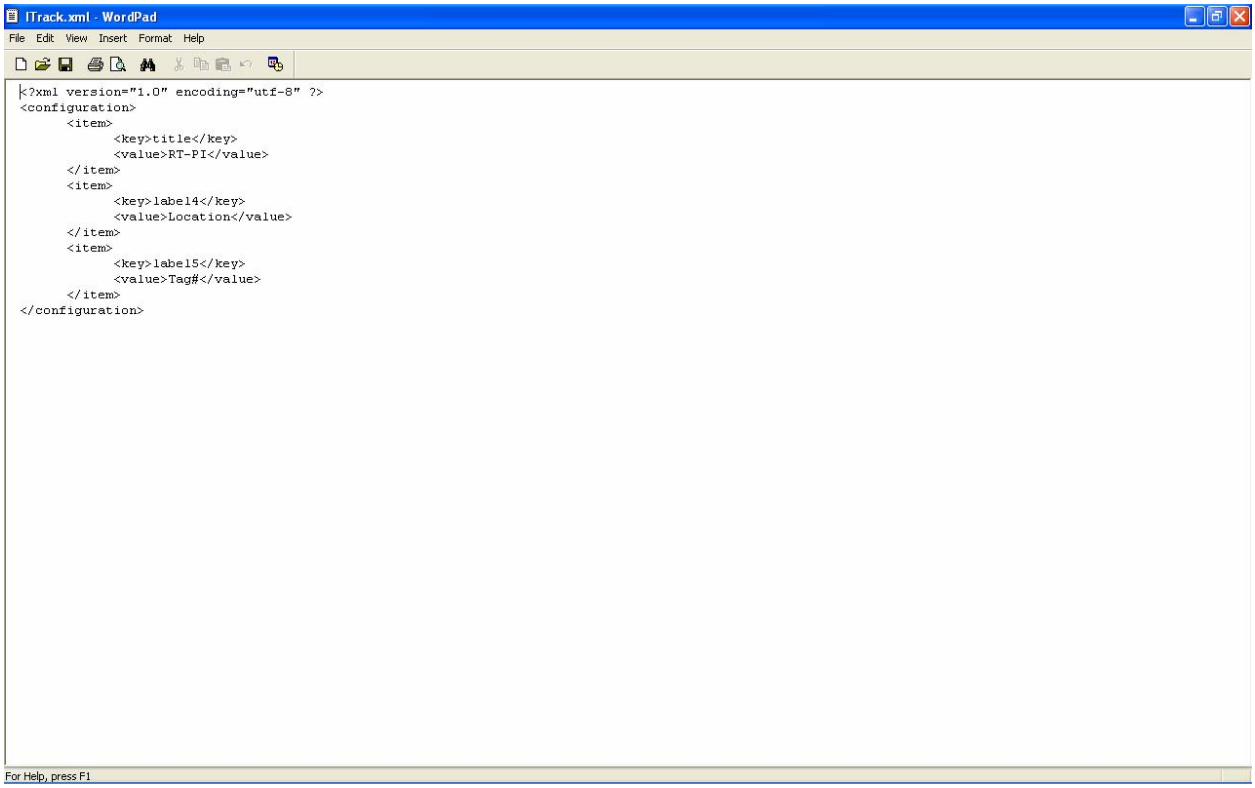
Modifying Field and File Names

RT-PI gives you the ability to modify the last two field names you see on the handheld computer to reflect your terminology or the data you want to collect.

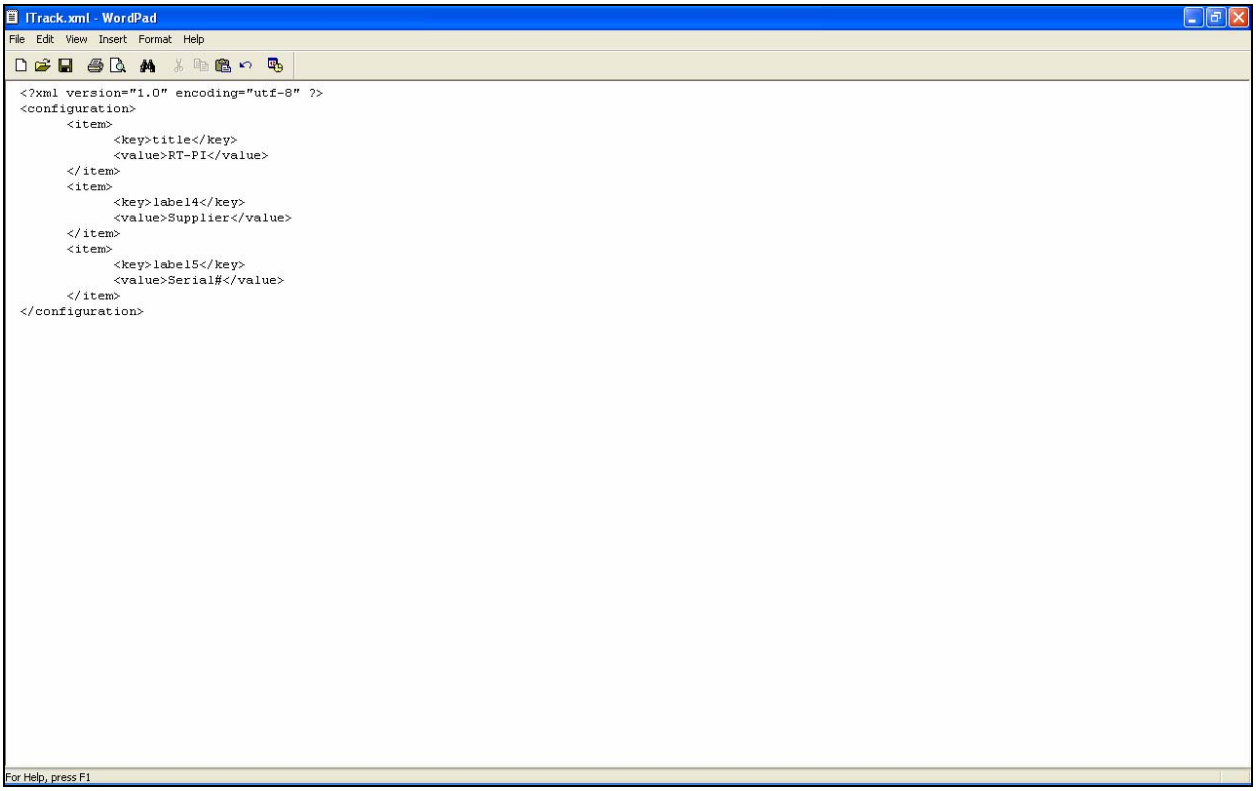
To modify the field and/or file names put the Windows Mobile Device in the cradle and make sure it is connected through Active Sync. Using Windows Explorer on the PC go to Mobile Device>Program Files>RT-PI. There will be a file called ITrack.xml. Copy this file and paste it on your desktop.



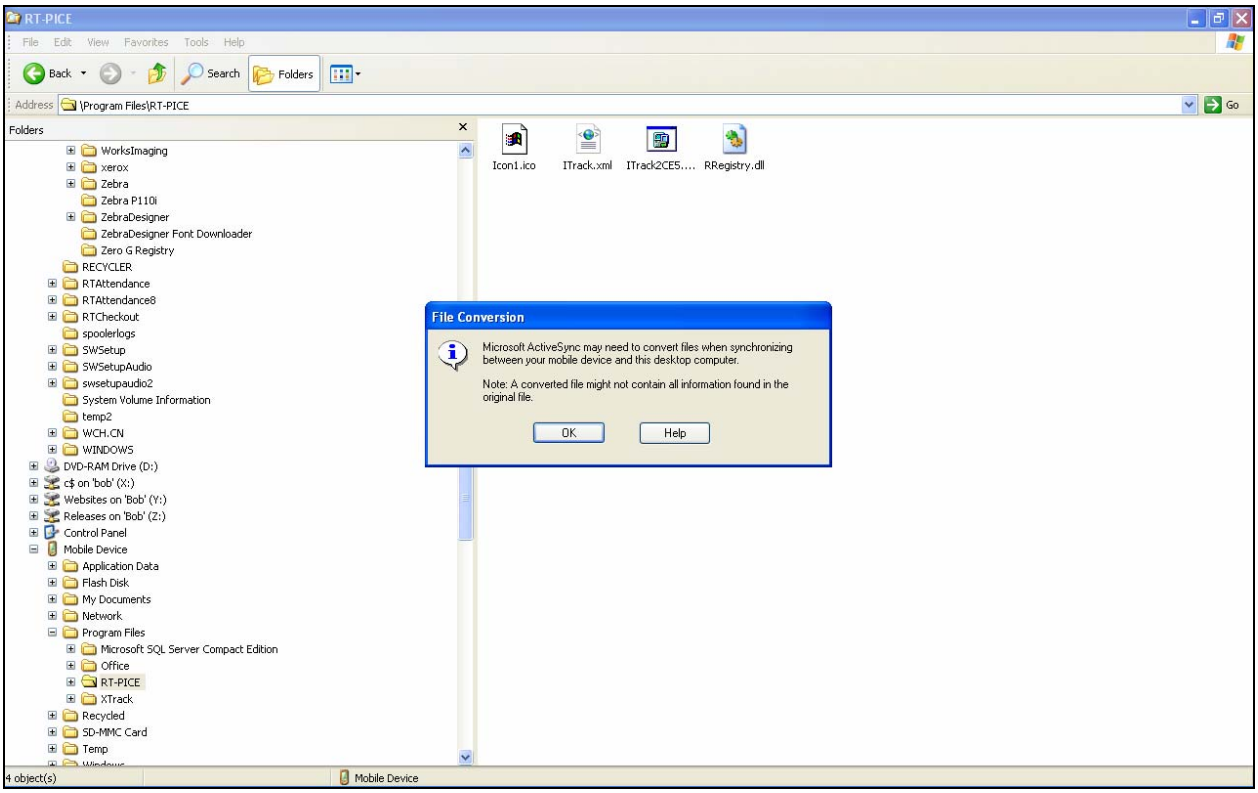
On your desktop open the ITrack.xml file in Notepad or any XML editor. You will see the Title, and the 2 User Defined Label fields.



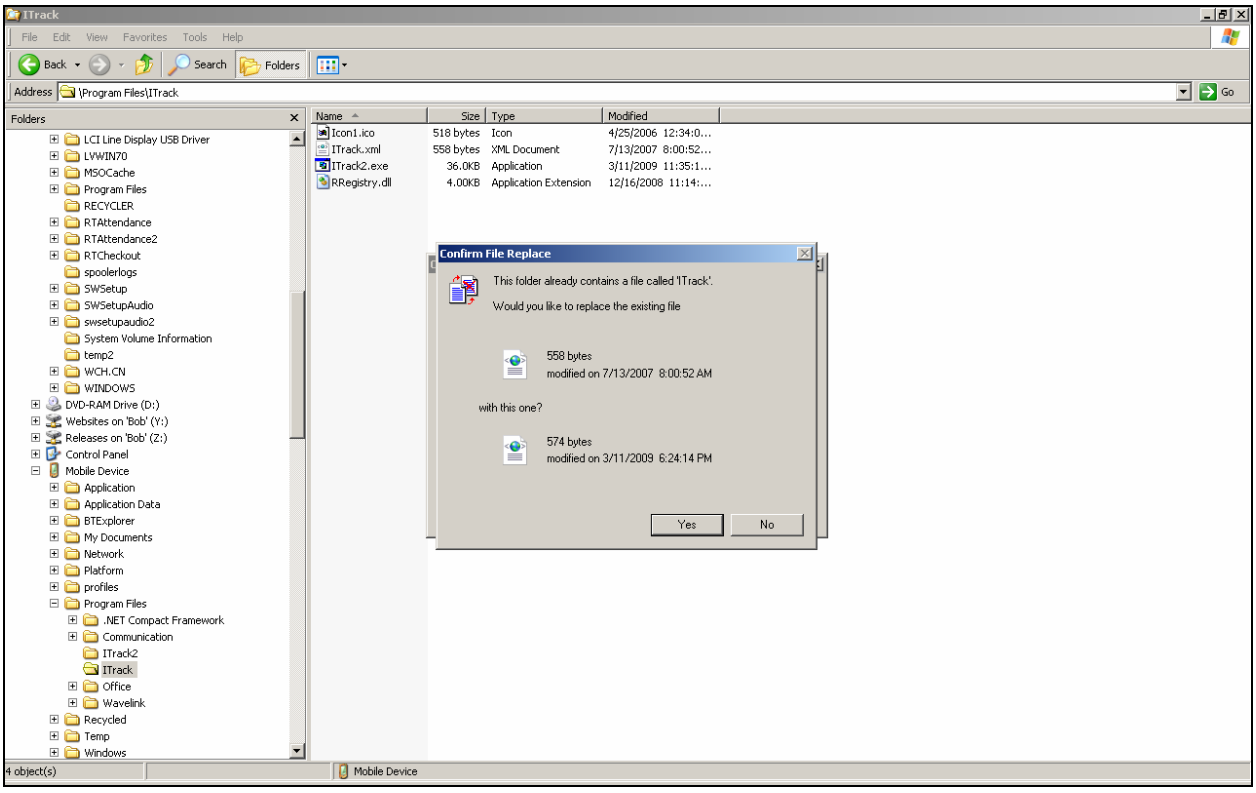
You can change the terms between the <value> </value> to what you want to appear in the fourth and fifth fields of RT-PI.



When you have made the changes, save the ITrack.xml file and copy and paste it back into the Mobile Device> Program Files>RT-PI directory.



When prompted, click Yes to replace the current file.



The next time you open RT-PI the new field names will appear.